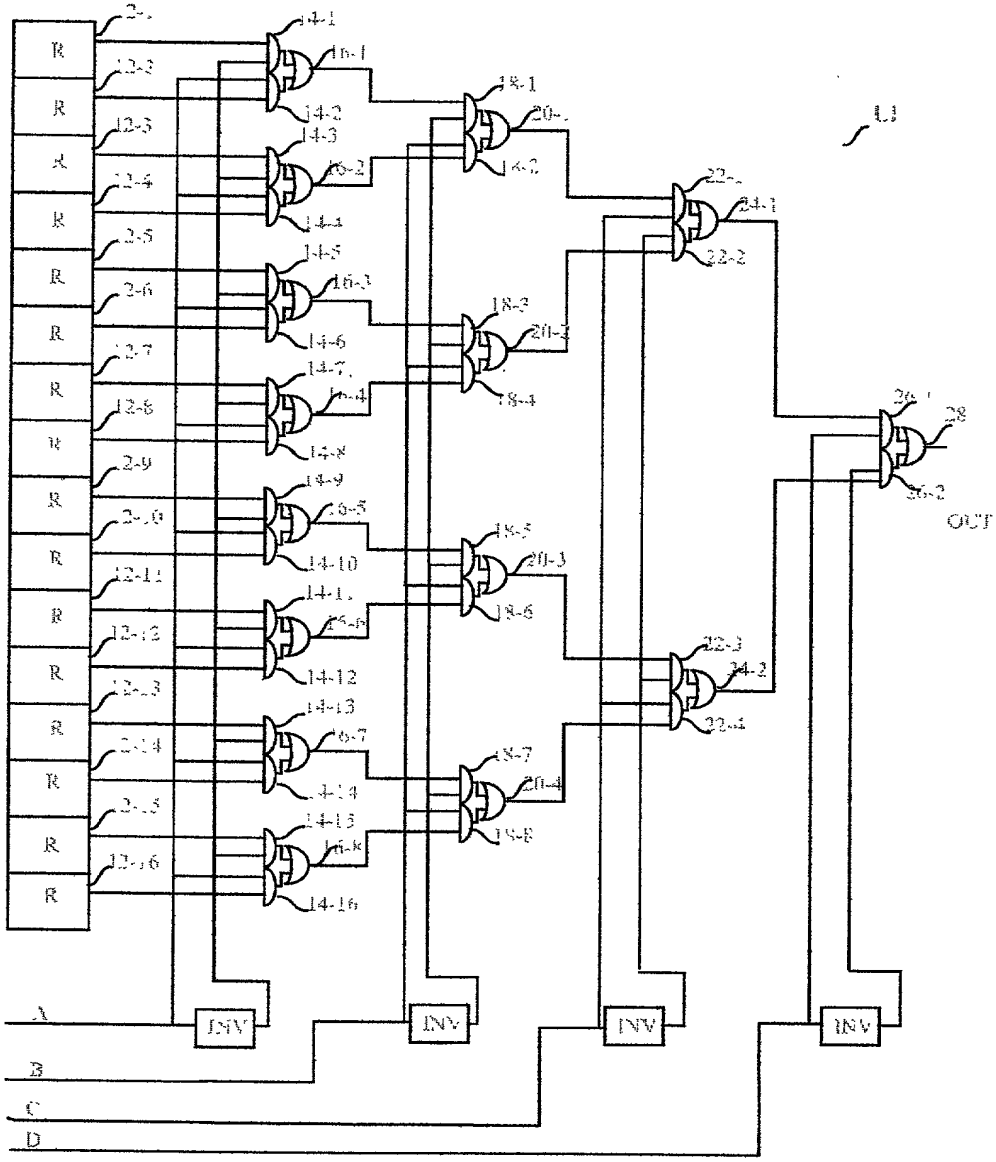

FIG1

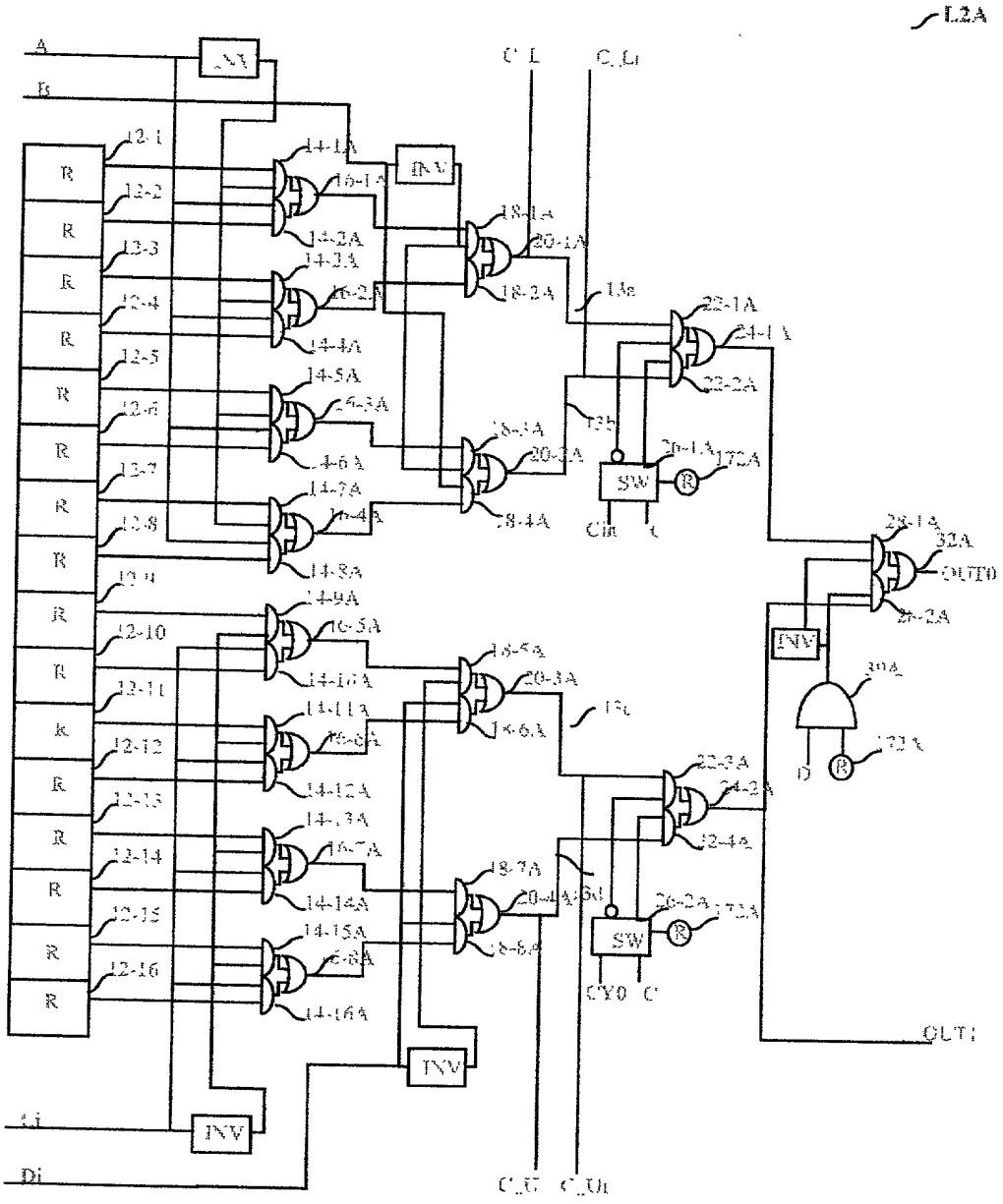

FIG2

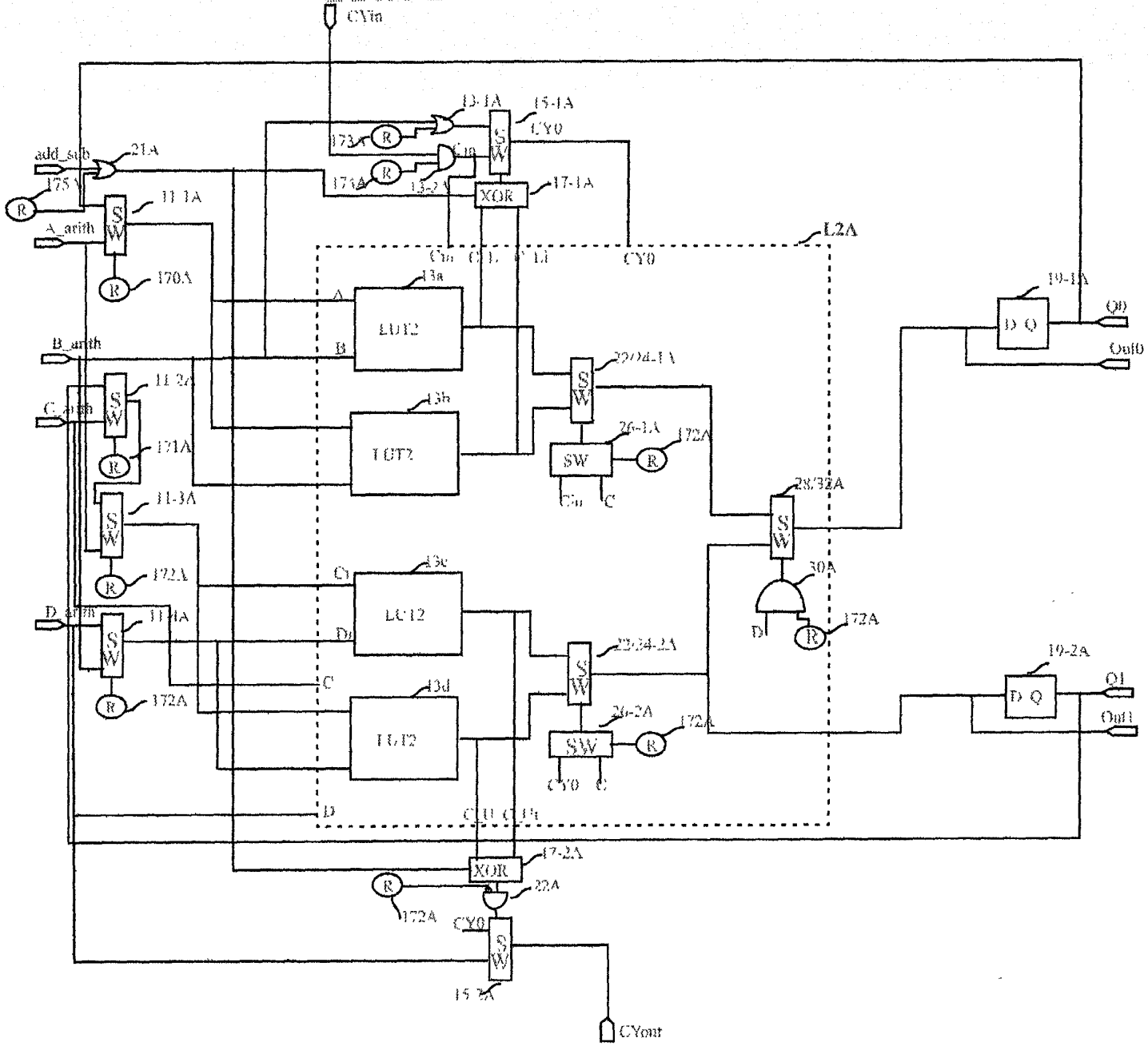
CYin
add_sub
21A
175A
A_arith
11-1A
170A
B_arith
11-2A
171A
C_arith
11-3A
172A
D_arith
11-4A
172A
13-1A
15-1A
CY0
173A
Cin
176A
15-2A
XOR
17-1A
L2A
Cin
CY0
13a
LUT2
A
B
13b
LUT2
13c
LC12
C
D
13d
LUT2
20/24-1A
26-1A
172A
SW
Cin
C
28/32A
30A
172A
20/24-2A
26-2A
172A
SW
CY0
C
CLU CLK
19-1A
D Q
Q0
Out0
19-2A
D Q
Q1
Out1
17-2A
XOR
22A
172A
CY0
15-2A
CYout

FIG 3

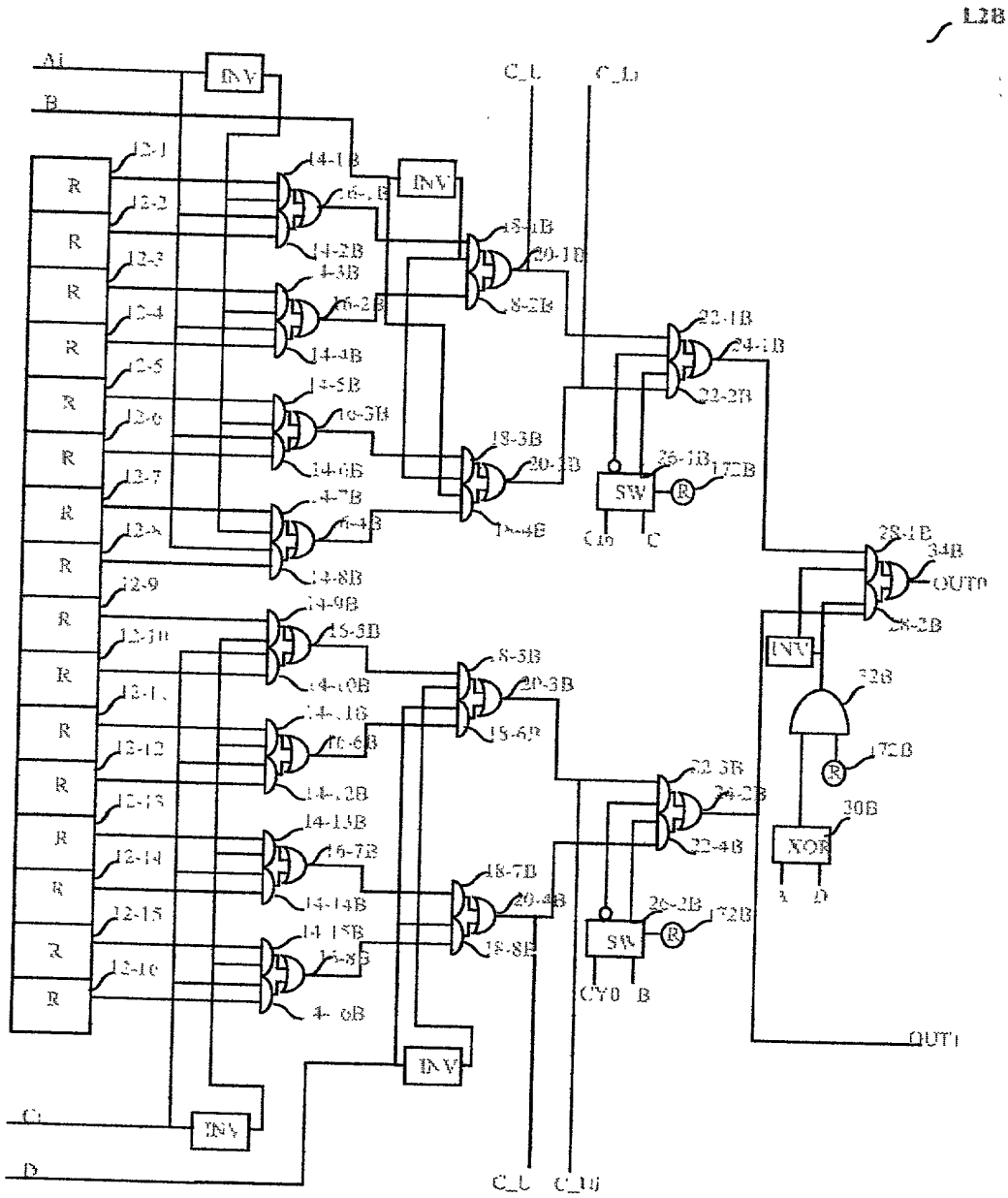

FIG4

20nt20" STS2001

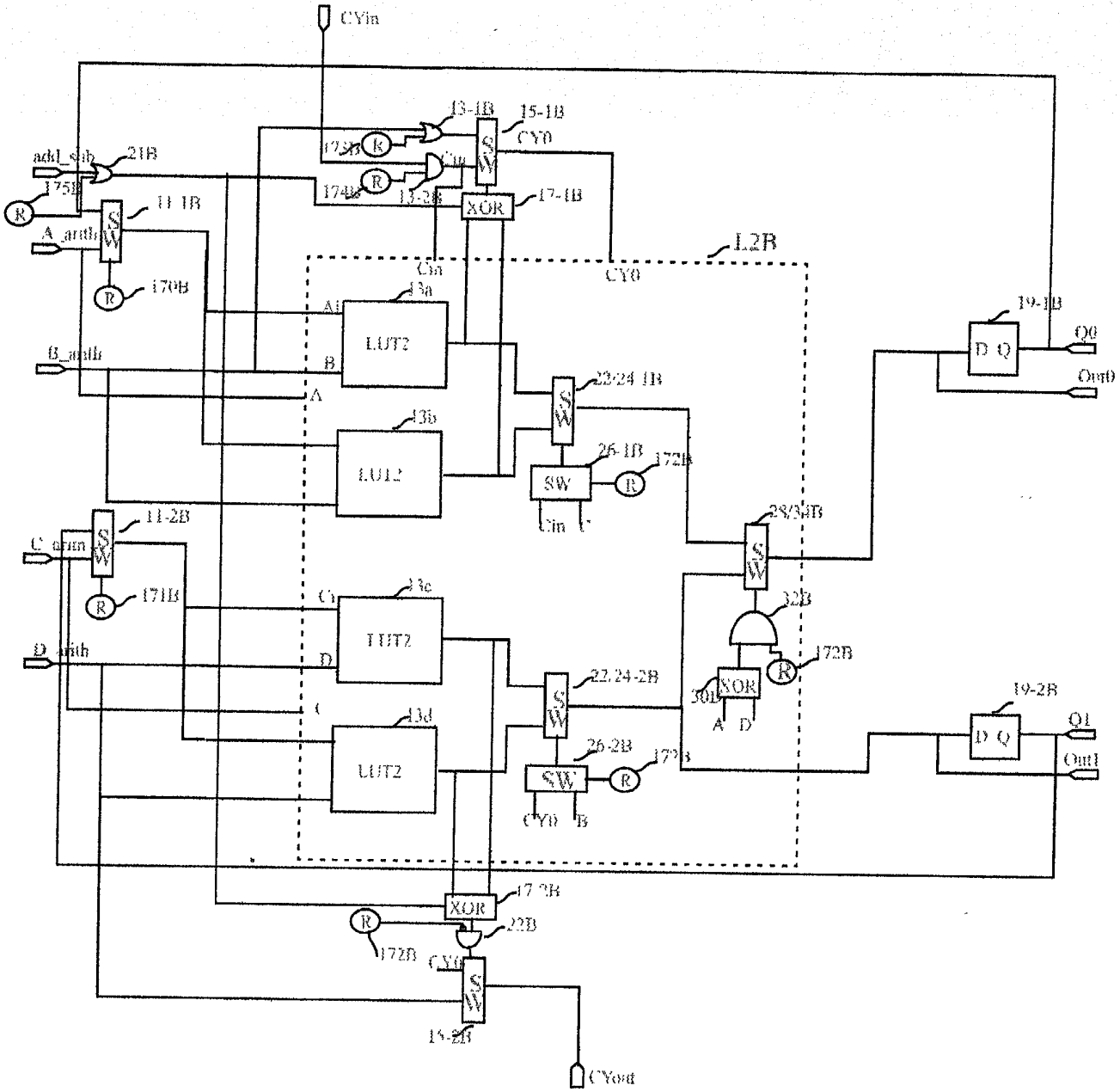

FIG5